	Application No.	Applicant(s)
	Application No.	
Notice of Allowability	10/521,591	ARCHER ET AL.
	Examiner	Art Unit
	MARIA J. LAIOS	1795
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. 1. This communication is responsive to the amendment filed on 13 November 2007.		
2. The allowed claim(s) is/are 11-25.		
 3. Acknowledgment is made of a claim for foreign priority unally All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 1. Priority documents have 1. International Bureau (PCT Rule 17.2(a)). 	e been received. e been received in Application No	
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).		
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
Attachment(s)	5 10 - 10 - 10	A. A. A. P. P.
1. Notice of References Cited (PTO-892)	5. Notice of Informal P	• •
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary Paper No./Mail Da	te
3. Information Disclosure Statements (PTO/SB/08),	7. Examiner's Amendr	ment/Comment
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's Stateme	ent of Reasons for Allowance
of Biological Material	9.	

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Drawings

1. The drawings were received on 13 November 2008. These drawings are acceptable.

Allowable Subject Matter

- 2. Claims 11-25 are allowed.
- 3. The following is an examiner's statement of reasons for allowance: Applicant's arguments filed 13 November 2007, regarding Kim (Kr2001093359 A), on Page 9, second paragraph, have been fully considered and are persuasive.
- 4. The claimed invention requires a fuel cell with an electrolytic membrane, which has a concentration gradient of the protons within a thickness of the membrane to allow the concentrated water to evacuate from a single electrode outlet. The closest prior art of record are Rusch (WO97/41168) and Wilkinson (US 5,366,818). Rusch teaches the absorption of water in a membrane. Wilkinson teaches the removal of water from the anode by dead ending the cathode side. There is no motivation to combine the references because by dead ending the cathode, the water is removed from the anode side. Therefore it would not be necessary to replace the membrane in Wilkinson with that of Rusch. Rusch does not disclose, teach or suggest using the membrane to concentrate water at an electrode.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to MARIA J. LAIOS whose telephone number is (571)272-9808. The examiner can normally be reached on Monday - Thursday 9:30 - 6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Alexa Neckel can be reached on 571-272-1446. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MJL

SUSY TSANG-FOSTER
SUPERVISORY PATENT EXAMINER